

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A vibratory double-axially sensing micro-gyroscope, which includes:

a base, center of which is arranged a supporting hub;

plural suspending arms, which are arranged around the supporting hub and are extended outwardly in radial direction by taking the supporting hub as center;

a platform, which is arranged at ~~the~~ an outside end of ~~the~~ a suspending arm and is extended toward two sides horizontally by taking the suspending arm as center;

static-electricity driving electrode, which is arranged below the platform at ~~the~~ a top of the base corresponding to the platform; ~~and~~

plural capacitance sensing electrodes, which are arranged at ~~the~~ a top of the platform; and

reinforcing wall structure is arranged at an inside of the platform and extended toward two sides of a top of the suspending arm, and the reinforcing wall structure is connected to a capacitance sensing electrode, and another reinforcing wall structure is also arranged at an outside of the platform and is not connected to the capacitance sensing electrode.

2. (Currently Amended) The vibratory double-axially sensing micro-gyroscope according to claim 1, wherein the capacitance

sensing electrodes are formed at ~~the~~ tops of two sides of the platform by micro-electroplating technique.

3. (Original) The vibratory double-axially sensing micro-gyroscope according to claim 1, wherein the suspending arms are positioned at same altitude and are parallel to the base.

4. (Original) The vibratory double-axially sensing micro-gyroscope according to claim 1, wherein at least two or even-numbered suspending arms are arranged.

5. (Original) The vibratory double-axially sensing micro-gyroscope according to claim 1, wherein the platform is extended symmetrically toward two sides of the suspending arm by taking the axial center of the suspending arm as center.

6. (Currently Amended) The vibratory double-axially sensing micro-gyroscope according to claim 1, wherein the platform is shaped as an arc having curvature and a discontinuous ring shape is constructed by ~~each~~ the platform.

7. (Original) The vibratory double-axially sensing micro-gyroscope according to claim 1, wherein the platform is formed as

stripe shape and a discontinuous equilateral shape is constructed by ~~each~~ the platform.

8. (Cancelled)

9. (Currently Amended) A vibratory double-axially sensing micro-gyroscope, which includes:

a base, center of which is arranged a supporting hub;

plural suspending arms, which are arranged around the supporting hub and are extended outwardly in radial direction by taking the supporting hub as center;

a platform, which is arranged at an outside end of a suspending arm and is extended toward two sides horizontally by taking the suspending arm as center;

static-electricity driving electrode, which is arranged below the platform at a top of the base corresponding to the platform; plural capacitance sensing electrodes, which are arranged at a top of the platform~~The vibratory double-axially sensing micro-gyroscope according to claim 1,~~

~~wherein there is~~ a reinforcing piece is arranged at joining place of both the suspending arm and the platform.

10. (Currently Amended) A vibratory double-axially sensing micro-gyroscope, which includes:

a base, center of which is arranged a supporting hub;

plural suspending arms, which are arranged around the supporting hub and are extended outwardly in radial direction by taking ~~the~~a supporting pillar as center;

a platform, which is arranged at ~~the~~an outside end of ~~the~~a suspending arm and is extended toward two sides horizontally by taking the suspending arm as center;

capacitance sensing electrode, which is arranged below the platform at ~~the~~a top of the base corresponding to the platform;
and

plural static-electricity driving electrodes, which are arranged at ~~the~~a top of the platform; and

a reinforcing piece is arranged at joining place of both the suspending arm and the platform.

11. (Currently Amended) The vibratory double-axially sensing micro-gyroscope according to claim 10, wherein the static-electricity driving electrodes are formed at ~~the~~tops of two sides of the platform by plating method.

12. (Original) The vibratory double-axially sensing micro-gyroscope according to claim 10, wherein the suspending arms are positioned at same altitude and are parallel to the base.

13. (Original) The vibratory double-axially sensing micro-gyroscope according to claim 10, wherein at least two or even-numbered suspending arms are arranged.

14. (Currently Amended) The vibratory double-axially sensing micro-gyroscope according to claim 10, wherein the platform is extended symmetrically toward two sides of the suspending arm by taking ~~the~~ an axial center of the suspending arm as center.

15. (Currently Amended) The vibratory double-axially sensing micro-gyroscope according to claim 10, wherein the platform is shaped as an arc having curvature and a discontinuous ring shape is constructed by ~~each~~ the platform.

16. (Currently Amended) The vibratory double-axially sensing micro-gyroscope according to claim 10, wherein the platform is formed as stripe shape and a discontinuous equilateral shape is constructed by ~~each~~ the platform.

17. (Currently Amended) ~~The~~ A vibratory double-axially sensing micro-gyroscope ~~according to claim 10, wherein which includes:~~
a base, center of which is arranged a supporting hub;

plural suspending arms, which are arranged around the supporting hub and are extended outwardly in radial direction by taking a supporting pillar as center;

a platform, which is arranged at an outside end of a suspending arm and is extended toward two sides horizontally by taking the suspending arm as center;

capacitance sensing electrode, which is arranged below the platform at a top of the base corresponding to the platform;

plural static-electricity driving electrodes, which are arranged at a top of the platform; and

reinforcing wall structure is arranged at an inside of the platform and extended toward two sides of the top of the suspending arm, and the reinforcing wall structure is connected to ~~the~~ a static-electricity driving electrode, and another reinforcing wall structure is also arranged at an outside of the platform and is not connected to the static-electricity driving electrode.

18. (Cancelled)

19. (New) The vibratory double-axially sensing micro-gyroscope according to claim 9, wherein the capacitance sensing electrodes are formed at tops of two sides of the platform by micro-electroplating technique.

20. (New) The vibratory double-axially sensing micro-gyroscope according to claim 9, wherein the suspending arms are positioned at same altitude and are parallel to the base.

21. (New) The vibratory double-axially sensing micro-gyroscope according to claim 17, wherein the static-electricity driving electrodes are formed at tops of two sides of the platform by plating method.

22. (New) The vibratory double-axially sensing micro-gyroscope according to claim 17, wherein the suspending arms are positioned at same altitude and are parallel to the base.